

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Toshiya SAGISAKA, et al.

SERIAL NO: NEW APPLICATION

GAU:

FILED: HEREWITH

EXAMINER:

FOR: NEW ARYL AMINE POLYMER, THIN FILM TRANSISTOR USING THE NEW ARYL AMINE POLYMER,
AND METHOD OF MANUFACTURING THE THIN FILM TRANSISTOR

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- The applicant(s) wish to make of record the references listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- Attached is a list of applicant's pending application(s) or issued patent(s) which may be related to the present application. A copy of the patent(s), together with a copy of the claims and drawings of the pending application(s) is attached along with PTO 1449.
- A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

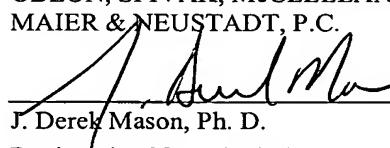
- Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
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22850

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LIST OF RELATED CASES

Docket Number	Serial or Patent Number	Filing or Issue Date	Inventor/Applicant
194076US0	09/610,427	07/05/00	RI, et al.
218335US0 CONT	10/051,230	01/22/02	RI, et al.
205260US0	6,492,079	12/10/02	SHIMADA, et al.
209798US0	6,596,449	07/22/03	SHIMADA, et al.
PER CLIENT	4,892,949	01/09/90	SASAKI
PER CLIENT	4,859,556	08/22/89	SASAKI
0557-3873-0X	5,840,454	11/24/98	NAGAI, et al.
0557-4344-0X DIV	6,018,014	01/25/00	NAGAI, et al.
0557-4734-0	6,187,494	02/13/01	KAWAMURA, et al.
198421US0-DIV	6,303,736	10/16/01	KAWAMURA, et al.

Form PTO 1449 (Modified)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 248442US0	SERIAL NO. NEW APPLICATION		
LIST OF REFERENCES CITED BY APPLICANT		APPLICANT Toshiya SAGISAKA, et al.					
		FILING DATE HEREWITH		GROUP			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA	6,492,079	12/10/02	SHIMADA, ET AL.			
	AB	6,596,449	07/22/03	SHIMADA, ET AL.			
	AC	4,892,949	01/09/90	SASAKI			
	AD	4,859,556	08/22/89	SASAKI			
	AE	5,840,454	11/24/98	NAGAI, ET AL.			
	AF	6,018,014	01/25/00	NAGAI, ET AL.			
	AG	6,187,494	02/13/01	KAWAMURA, ET AL.			
	AH	6,303,736	10/16/01	KAWAMURA, ET AL.			
	AI						
		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION		
					YES	NO	
	AJ	10-310635	11/24/98	JAPAN / w abstract			
	AK	08-157575	06/18/96	JAPAN / w abstract			
	AL	08-228034	09/03/96	JAPAN / w abstract			
	AM	08/228035	09/03/96	JAPAN / w abstract			
	AN	11-195790	07/21/99	JAPAN / w abstract			
	AO	58-198425	11/18/83	JAPAN / w abstract			
	AP	58-198043	11/17/83	JAPAN / w abstract			
	AQ	60-098437	06/01/85	JAPAN / w abstract			
	AR	WO97/09394	03/13/97	WIPO			
	AS						
	AT						
	AU						
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)							
	AV	H. Rost, et al., Novel light emitting and photoconducting polyarylenevinylene derivatives containing phenylene arylamine and phenylene oxide units in the main chain, Synthetic Metals 84, pp. 269-270, 1997.					
	AW	R.C. Haddon, et al., C ₆₀ thin film transistors, Appl. Phys. Lett 67 (1), 3 July 1995, pp. 121-123					
	AX	Zhenan Bao, et al., Organic field-effect transistors with high mobility based on copper phthalocyanine, American Institute of Physics, pp. 3066-3068, 1996.					
	AY	Zhenan Bao, et al., Soluble and processable regioregular poly (3-hexylthiophene) for thin film field-effect transistor applications with high mobility., American Institute of Physics, pp. 4108-4110, 1996.			<input checked="" type="checkbox"/> Additional References sheet(s) attached		
Examiner				Date Considered			

Form PTO 1449 (Modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT		ATTY DOCKET NO. 248442US0	SERIAL NO.
		APPLICANT Toshiya SAGISAKA, et al.	
		FILING DATE	GROUP
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)			
	AAA	H. Sirringhaus, et al., Bis(dithienothiophene) organic field-effect transistors with a high ON/OFF ration., American Institute of Physics, pp. 3871-3873, 1997.	
	AAB	Howard E. Katz, et al., a,a-Dihexylquaterthiophene: A Second Thin Film Single-Crystal Organic Semiconductor, Chemistry of Materials, Volume 10, Number 2, pp., 457-459, February 1998.	
	AAC	Gilles Horowitz, et al., Role of the semiconductor/insulator interface in the characteristics of π -conjugated-oligomer-based thin-film transistors, Synthetic Metals, 51, pp. 419-424, 1992.	
	AAD	H. Fuchigami, et al., Polythiophenevinylene thin-film transistor with high carrier mobility, American Institute of Physics, Appl. Phys. Lett. 63, (10), 6 September 1993.	
	AAE	N. Miyaura, et al., The Palladium-catalyzed cross-coupling reaction of phenylboronic acid with haloarenes in the presence of bases., Synthetic Communications, 11(7), 513-519, 1981.	
	AAF	H. Sirringhaus, et al., High-Resolution Inkjet Printing of All-Polymer Transistor Circuits, Science Vol 290, PP., 2123-2126, December 2000.	
	AAC		
	AAH		
	AAI		
	AAJ		
	AAK		
	AAL		
	AAM		
	AAN		
	AAO		
	AAP		
	AAQ		
Examiner			Date Considered

*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.